

Life Cycle of Stars

Name _____

You are going on a star scavenger hunt. Your job is to find as much information about the life of stars as you can. Good luck!

1. The life cycle of a star depends on its _____.

2. Explain what happens to stars if they have a large mass (size)?

3. Find the word *nebula*. In your own words, explain what a *nebula* is.

4. Our sun is called a _____ star.

5. About how many years can our sun remain in this stage?

6. In your own words, what happens when a main sequence star glows?

7. In your own words, explain why a *red giant* star is red.

8. Is our sun a low mass star or a high mass star? Why does it matter?

9. When does a supernova explosion occur?

10. What is a *pulsar*?

11. What do stars twinkle?

12. On the back of this paper, draw the Sun's life cycle.